

## **LEAD MECHANIC**

**General Statement of Duties:** Performs highly skilled mechanical work in the fabrication, repair and maintenance of a variety of automobiles, firefighting apparatus and equipment, trucks, road building and maintenance equipment, and assists the Shop Supervisor as required in supervising maintenance activities.

**Distinguishing Features of the Class:** Employees in this class perform highly skilled tasks in mechanical repair and maintenance of automobiles, trucks, tractors, bulldozers, graders, rollers and other specialized automotive equipment. Considerable judgement is required in determining the method of repair. Supervision may be exercised over the work of Equipment Mechanics and Mechanic Helpers. Must be available to supervise during extended snow removal hours.

### **Examples of Work:**

- Makes difficult repairs on light and heavy trucks, gasoline and diesel motors, tractors, bulldozers, graders and other City equipment;
- Replaces necessary units and related parts including valves, pistons, and main bearings and assembles cooling, fuel and exhaust systems;
- Utilizes gas and/or arc welding equipment to heat, cut, and braze;
- Inspects, adjusts, repairs and overhauls brakes, ignition systems;
- Tunes motors using specialized electronics testing equipment;
- Participates in overhauling of engines, pumps, hydraulic systems and other mechanical and electrical mechanisms pertaining to fire apparatus;
- Assists in the orientation, training and supervision of Equipment Mechanics and Equipment Mechanic Helpers;
- Writes work orders for equipment repairs using good judgement and setting proper priorities;
- Advises and assists the Parts Coordinator in ordering of parts and maintaining a proper inventory;
- Provides work direction to other mechanics.

**Required Knowledge, Skills and Abilities:** Considerable knowledge of standard practices and equipment of the automotive mechanic trade; good knowledge of the principles of operation of gasoline and diesel engines and of mechanical repair on heavy trucks and construction equipment; knowledge of the practices, materials, tools and equipment used in maintaining and repairing fire fighting apparatus may be required; good knowledge of the occupational hazards and safety precautions of the trade; some knowledge of plumbing and electro-mechanics; ability to understand and carry out oral and written instructions; ability to adapt available tools and repair parts to specific repair problems; skill in the use and care of hand and machine tools employed in motor repair and adjustment work; skill in adjusting defects in automotive equipment; mechanical aptitude; good physical condition; ability to supervise the work of others.

**Acceptable Experience and Training:** Completion of post-secondary technical training in automotive or heavy equipment maintenance at an accredited institution. Five years experience in equipment maintenance including some supervisory experience. Extensive technical experience may be substituted for formal training if applicant can demonstrate that such experience has provided equivalent skills in required areas. Must have a Class A commercial driver's license with air brake endorsement.

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